

SEQUENCE LISTING

<110> MOLENAAR, DOUWE

VAN DER REST, MICHEL E

DRYSCH, ANDRE

<120> NUCLEOTIDE SEQUENCE WHICH CODE FOR THE *mdhA* GENE

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<150> DE 10032350.2

<151> 2000-07-04

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<170> PatentIn version 3.1

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<213> *Corynebacterium glutamicum*

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<213> *Corynebacterium glutamicum*

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gct ggt caa atc tct tat tca ctg ttg tgg cgc atc gcc aac ggt gaa 634
 Ala Gly Gln Ile Ser Tyr Ser Leu Leu Trp Arg Ile Ala Asn Gly Glu
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gta ttc ggc acc gac acc cct gta gaa ctg aaa ctt ctg gag atc cct 682
 Val Phe Gly Thr Asp Thr Pro Val Glu Leu Lys Leu Leu Glu Ile Pro
 35 40 45

cag gct ctt ggc ggg gca gag ggt gtg gct atg gaa ctt ctg gat tct 730
 Gln Ala Leu Gly Gly Ala Glu Gly Val Ala Met Glu Leu Leu Asp Ser
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gcc ttc ccc ctc ctg cga aac atc acc atc acc gcg gat gcc aat gag 778
 Ala Phe Pro Leu Leu Arg Asn Ile Thr Ile Thr Ala Asp Ala Asn Glu
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gca ttc gac ggc gct aat gcg gcg ttt ttg gtc ggt gcg aag cct cgc 826
 Ala Phe Asp Gly Ala Asn Ala Ala Phe Leu Val Gly Ala Lys Pro Arg
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gga aaa ggc gaa gag cgc gca gat ttg ctg gct aac aac ggc aag att 874
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| cgt gtc cta gtt gtt gga aac cca gcg aac acc aac gcg ttg att gct Arg Val Leu Val Val Gly Asn Pro Ala Asn Thr Asn Ala Leu Ile Ala | | | 970 |
| 130 | 135 | 140 | 145 |
| tca gct gcg gcc cca gat gtt cca gca tcc cgc ttc aac gca atg atg Ser Ala Ala Ala Pro Asp Val Pro Ala Ser Arg Phe Asn Ala Met Met | | | 1018 |
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| gtc act gac ctg gtt gat cac gat tgg tat gtg gag gag ttc att cct Val Thr Asp Leu Val Asp His Asp Trp Tyr Val Glu Glu Phe Ile Pro | | | 1210 |
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| cgc gtg gct aac cgt ggc gct gaa atc att gag gtc cgt gga aag tct Arg Val Ala Asn Arg Gly Ala Glu Ile Ile Glu Val Arg Gly Lys Ser | | | 1258 |
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| 260 | 265 | 270 | |
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<213> *Corynebacterium glutamicum*

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 35 40 45

Pro Gln Ala Leu Gly Gly Ala Glu Gly Val Ala Met Glu Leu Leu Asp
50 55 60

Ser Ala Phe Pro Leu Leu Arg Asn Ile Thr Ile Thr Ala Asp Ala Asn
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Glu Ala Phe Asp Gly Ala Asn Ala Ala Phe Leu Val Gly Ala Lys Pro
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Arg Gly Lys Gly Glu Glu Arg Ala Asp Leu Leu Ala Asn Asn Gly Lys
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Ile Phe Gly Pro Gln Gly Lys Ala Ile Asn Asp Asn Ala Ala Asp Asp
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Ile Arg Val Leu Val Val Gly Asn Pro Ala Asn Thr Asn Ala Leu Ile
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Met Arg Leu Asp His Asn Arg Ala Ile Ser Gln Leu Ala Thr Lys Leu
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Gly Arg Gly Ser Ala Glu Phe Asn Asn Ile Val Val Trp Gly Asn His
180 185 190

Ser Ala Thr Gln Phe Pro Asp Ile Thr Tyr Ala Thr Val Gly Gly Glu
195 200 205

Lys Val Thr Asp Leu Val Asp His Asp Trp Tyr Val Glu Glu Phe Ile
210 215 220

Pro Arg Val Ala Asn Arg Gly Ala Glu Ile Ile Glu Val Arg Gly Lys
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Ser Ser Ala Ala Ser Ala Ala Ser Ser Ala Ile Asp His Met Arg Asp
245 250 255

Trp Val Gln Gly Thr Glu Ala Trp Ser Ser Ala Ala Ile Pro Ser Thr
260 265 270

Gly Ala Tyr Gly Ile Pro Glu Gly Ile Phe Val Gly Leu Pro Thr Val
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Ser Arg Asn Gly Glu Trp Glu Ile Val Glu Gly Leu Glu Ile Ser Asp
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